

MEETING MINUTES
MIDWEST RELIABILITY ORGANIZATION
Model Building Subcommittee

Holiday Inn Select, Bloomington, MN
March 19th, 2008 – 9:00 AM – 4:00 PM

1. Call to Order

Chairman Burbach called the meeting to order at 9:10am.

2. Determination of Quorum

The following members attended the meeting:

Alan Burbach, LES – Chairman

Gerry Lane, MH

Kristian Samoila, SPC

Dustin Betz, NPPD

Dan Custer, MEC – Vice Chair

Kerry Marinan, ATC

Abul Shuvo, ALTW

Holli Krizek, WAPA

Hamish Wong, WPS

Srinivas Vemuri, XEL

Wayne Roelofs, GRE

Wayne Haidle, MDU (Phone)

Adam Flink, MRO – Secretary

Guests:

Andrew Lucero, MRO

Loren Mayer, MISO

Lynn Dong, MISO

Dave Osterkamp, ITC Midwest

Godfrey Chibulunje, WPS

3. Standards of Conduct and Anti-Trust Guidelines

4. Consent Agenda

a. *Approve Meeting Minutes from December 6th, 2007 (includes 12/17 conf. call)*

The group reviewed the minutes and made minor changes.

Upon motion duly made by Gerry Lane and seconded by Kerry Marinan, the MBS voted unanimously to approve the minutes as amended.

b. *Approve Meeting Minutes from February 7th, 2008*

The group reviewed the minutes and made a few changes to the bullet items in item 4.

Upon motion duly made by Gerry Lane and seconded by Kerry Marinan, the MBS voted unanimously to approve the minutes as amended.

5. Chairman's Report

a. *Report on MISO MOD Process*

Action item: Alan Burbach and Adam Flink to draft report on MOD process.

b. *NERC Scenario Assessment*

Reliability Assessment Committee Chairman Hoa Nguyen has contacted the Chairs of the MBS and WGM TF as well as other groups, to begin assembling a Scenario Assessment Task Force which would generate a report to NERC in response to their request for a Scenario Assessment.

c. *Model Release Procedure Update*

Adam Flink gave an update to the group on the MRO Model Release Procedure. MRO staff has adapted the ERAG-MMWG Model Release Procedure, ID form, and NDA (Non-Disclosure Agreement) for use with MRO models. The ID form requires that parties in the US must provide a FERC CEII (Critical Energy Infrastructure Information) ID number in order to obtain models. MRO policy still allows members of the MRO to access MRO and MMWG models without the ID form or NDA.

6. 2008 Series Update

Unsolved models posted on 3/18

MOD usage immediately prior to deadline – possible problem

Case create – no significant issues

OPPD data still not in MOD

WPPI MOD access issues: Steve Leovy, the data rep for WPPI, did not feel comfortable accessing the MRO model data due to the fact that he works in the marketing side of the company. It was decided that data reps from Xcel and Alliant West should work with WPPI to handle the model reviews on their behalf.

Action item: Srinivas Vemuri and Abul Shuvo to work with Steve Leovy (WPPI) to determine how WPPI's load data should be handled.

Dynamics – six snapshots, use super snapshot – first year case for most data

Action item: Lynn Dong (MISO) to send out instructions regarding snapshots.

Use SDDDB to dump out data

Action item: Alan Burbach and Adam Flink to contact data reps – reminder to review dynamics data.

Action item: Add an item to the Model Building Schedule for data reps to review dynamics.

a. *Review schedule*

The group reviewed the model building schedule and made a few changes:

- Dynamics submittal date moved to March 21
- UFLS submittal date moved to March 21
- ACCC testing added to schedule for April 28

b. *Review Spreadsheet (Interchange control – Tie Lines and Loads)*

c. *ACCC Analysis*

Action item: Kerry Marinan to build an idev for ACCC test of selected pass1 solved models. 2009, 2014, 2019 SUPK, 100kV and above, for ACCC testing

7. Modeled Firm Transmission Reservation without Committed Generation

Merchant generator connected to bus with no purchase agreement in place and bus owner does not have their own control area.

WGM TF suggestion: Show sale to owner of bus. If not enough generation, then show sale to CA.

Action item: WGM TF to draft language to address the issue of wind generation being either network or energy resource; how to dispatch wind generation in models prior to the October meeting.

8. Benchmarking document

a. *Approve benchmarking document*

The group reviewed the draft benchmarking document and decided that significant changes needed to be made.

Action item: Alan Burbach and Adam Flink to review benchmarking and model documentation and gather comments from the MBS on the topic.

9. MBS Policy Regarding Model Detail

a. *Changes to Model Building Manual to clarify policy*

Dan Custer and Abul Shuvo gave arguments for including low voltage systems. No changes were made to the manual regarding model detail.

Action item: Gerry Lane to contact Siemens PTI to find out if they plan to support larger models in the future.

Action item: Kerry Marinan to bring up the topic of model detail at the MMWG meeting in April to find out if the MMWG would allow the modeling of low voltage systems.

10. MRO Model Building Manual

a. *Action items from 12/6:*

1. *Review multi-section lines policy*

The MBS members had no comment on this topic.

2. *Update user model listing*

Action item: Adam Flink to send user model section of MBS Manual to Lynn Dong (MISO) for mark up based on her experience building MRO dynamics models.

11. Reports

a. *WGMTF – Gerry Lane, Srinivas Vemuri and Adam Flink*

Volunteers for TF

WTG3 generic model – testing

Merchant generation – Language was provided as follows:

If a merchant generator connects to a bus that is not a control area bus (e.g. MDU bus in Xcel)

If there is a Power Purchase Agreement (PPA), model the transaction to that company.

If there is no PPA, POI bus owner backs off generation to compensate for wind.

If POI owner has no generation the control area backs off generation.

End of WGMTF – WGMTF would like to incorporate WECC generic models into MRO Wind Manual, these models are expected to be finished next summer/fall.

The group is going to explore a quantitative analysis of wind in the region.

b. *ERAG MMWG – Kerry Marinan*

Powerflow quality issues from March MMWG meeting

PSSE READ errors shall be corrected.

12. Other Business

a. *Naming convention for CA/BA – manual needs to be updated.*

Action item: Adam Flink to change “control area” to “area” in the Manual and possibly add an explanation of this terminology and how it relates to “Balancing Authority”.

b. *Generator Pmax/Qmax setting in models*

Andrew Lucero, GTRTF Sec., posed the question: “what values of Pmax and Qmax should be used in the Models when the reporting of Pmax and Qmax for NERC standards

requirements typically does not allow Pmax and Qmax to be reached simultaneously. Mr. Lucero suggested that the Pmax and Qmax reported to NERC be used in the models which would be the more conservative approach, rather the Pmax at ideal conditions and Qmax at ideal condition but non-coincident with Pmax.”

The MBS discussed the issue at some length and decided to allow the members of the MBS to think about it and the Chair would come up with a proposed language change for the MBS May meeting. At that time the language will be discussed and refined. The MBS will then make its final decision on the final wording at the August meeting.

c. MISO Proposal for Coordination of Data Submittals

Action item: MBS members to review MISO proposal, to be discussed during the MBS meeting in May, 2008.

13. Next meeting

a. MBS (tentative meeting dates)

- *May 22*
- *August 13*
- *October 28*

b. RAC – May 21

14. Adjourn

Upon motion duly made by Gerry Lane (MH) and seconded by Hamish Wong (WPS), the meeting was adjourned.